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E-NOTES

United States Industry Coalition

In today's edition of E-notes:

DOE Contracts with CRDF

A pressing concern for USIC members and their ILAB partners has been the pace at which NIS partners are paid for their work on IPP projects. Last month, DOE/IPP signed an agreement with the **U.S. Civilian Research & Development Foundation (CRDF)** to manage the transfer of payments to NIS institutes and individuals engaged in IPP projects. Under this arrangement, the ILABs will inform DOE-HQ that payment to their NIS partners is approved. DOE-HQ will then forward funds to CRDF for transfer to the NIS institute or individual.



www.crdf.org

Since its founding in 1996, CRDF has created a network of banking relationships to provide payments to recipients throughout the NIS. Over \$20 million in dollars and equipment has been transferred to the NIS, both for CRDF's own programs and for third-party projects. All financial activities are conducted under the control of the CRDF home office in Arlington, Virginia. CRDF also maintains offices in Moscow and Kiev with additional representatives located in St. Petersburg and Vladivostok to provide in-country support for its operations. CRDF staff regularly review all banks involved in its payment network and closely coordinate with NIS-based staff to monitor payment activity through all banks.

Jeff Faszczka Joins USIC Board

On January 14, **Jeff Faszczka** of **Hamilton Sundstrand/United Technologies Corporation** was elected to the USIC Board of Directors for a two-year term. Jeff has over 23 years experience managing domestic and international aerospace projects for UTC. In 1990-93, he pioneered HS/UTC's business strategy in Russia, working closely with U.S. and Russian government and industry. He successfully organized and negotiated programs on behalf of NASA with the Russian space industry and government. Today, HS/UTC has direct contracts with Russian companies for technological work on the International Space Station, including development, certification and production of advanced systems for the International Space Station space suit, "EMU". Since 1997, Jeff has coordinated business activities between Hamilton Sundstrand and its international subsidiaries and joint ventures, including HS-Nauka, established in 1995 in Moscow. HS-Nauka produces high quality components for the worldwide aerospace industry, with approximately 80% of the products manufactured for export to western customers.



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USIC Travels to March 2000 Trade Shows

USIC will promote IPP and seek to develop new commercial partnerships among U.S. companies and former Soviet weapons institutes during three major industrial trade shows in March. USIC will be at PITTCON in New Orleans, March 13-16, in conjunction with DOE's Kansas City Plant, which is hosting four guests from Moscow and Volgograd. PITTCON will also allow KCP to showcase its new exhibition booth. During the same week, USIC will go to Chicago for National Manufacturing Week, where KCP is hosting a larger NIS contingent from Ukraine, Moscow, Nizhny Novgorod and Chelyabinsk. From March 25-30, USIC will attend the BIO2000 convention in Boston.

Individual USIC members are encouraged to attend relevant trade shows to seek potential business partners. For details on these three particular trade shows, see the links below.

Domenici Letter Praises IPP/USIC

Please click on the following link to view
[Senator Domenici's Letter](#)

Sen. Pete Domenici (R-NM) called the attention of the U.S. Senate to the advancements and accomplishments of the IPP/USIC program in a letter circulated to his colleagues on January 26, 2000.

USIC Outreach Generates Interest on Capitol Hill

Since last October, **Vic Alessi** and **Gary Tydings**, together with **Auggie Tantillo** of SRG Associates, have conducted numerous briefings on Capitol Hill for Members of Congress and their staffs on the IPP/USIC program and the growing number of recent and potential commercial successes. Recently, USIC member **Alan Felton** of Felton Medical in Lenexa, KS, arranged for a special USIC briefing to Sen. Pat Roberts (R-KS) and Rep. Dennis Moore (D-KS). Several additional briefings are scheduled in the near future.

According to Vic Alessi, "The reaction to our briefings has been that of pleasant surprise. Everyone who hears the USIC story seems pleased that the IPP program is creating real business and that U.S. tax dollars have been well spent. They are even more impressed when they learn USIC members spend more on the projects than the U.S. government. This fact has generated praise for IPP and USIC."

Four Members Join USIC

Four new members have joined USIC since December 1999. Current membership totals 82.

AlphaMed, Inc., based in Acton, MA, is working with nuclear scientists at Krasnoyarsk-26 and ANL to use radium-226 in the development of bismuth-213, an alpha particle emitting radionuclide currently being used in Phase I/II clinical trials as part of a new cancer therapy. High-energy alpha particles are particularly effective for destroying tumor cells while leaving non-targeted cells undamaged, due to the short distances (three to four cell diameters) that alpha particles travel before giving up their energy.

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Conti Group Companies (formerly Continental Grain) in Gainesville, GA has partnered with the Kazakhstan Ministry of Science, Oak Ridge National Laboratory, and the USDA Agricultural Research Service to develop "Probiotics," antibiotic-like agents that are effective in preventing the contamination of food by pathogenic bacteria. A menacing feature of disease control emerging in the U.S. and worldwide is the mounting resistance of pathogenic microorganisms to traditional antibiotics used to ward off infectious diseases. In this cooperative project, probiotics and the molecular entities which they synthesize to keep pathogens at bay are being identified. Kazakhstan is valuable to U.S. food safety R&D because of the rich availability of microorganisms with antibacterial-like activity — which represents an untapped source of probiotics.

The Diagnostic Instrumentation and Analysis Laboratory (DIAL) at **Mississippi State University** in Starkville, MS, together with SNL, is also working with Krasnoyarsk-26 on defense waste clean-up. One of the most difficult technical challenges facing both DOE and MINATOM is the retrieval and processing of chemically complex radioactive wastes generated during production of plutonium for nuclear weapons. These wastes have been accumulated and are currently being stored in various above-ground and underground storage tanks. The DIAL project will develop a Tank Retrieval and Closure Demonstration Center at Krasnoyarsk-26.

Paratek Microwave, Inc. of Columbia, MD has replaced Superconducting Core Technologies as the USIC member on a project with NREL and the St. Petersburg Electrotechnical University. The project aims to develop phase shifter devices for electronically steerable phased array (i.e. "smart") antenna systems for use in cellular and Personal Communication Systems (PCS) wireless systems. The technology used to create the steerable beam phased array antenna will build on the ferroelectric film growth and circuit design expertise generated during an earlier Thrust 1 project.

ALSO in the USIC member news:

PerkinElmer Instruments-ORTEC Division is the new name for EG&G - ORTEC of Oak Ridge, TN. PerkinElmer is a global technology company providing products to telecom, medical, pharmaceutical, chemical, semiconductor and photographic markets. Earlier ORTEC IPP projects have been directed to technical areas of Manufacturing, Sensors & Instrumentation, and Waste Management.

Alessi at AAAS in DC

On February 21, **Vic Alessi** joined a panel of distinguished speakers at the AAAS Annual Meeting and Science Exposition held in Washington from February 17-22. Dr. Alessi spoke on science and the State Department, with a focus on USIC, IPP and ISTC (the International Science and Technology Center in Moscow.)

MBA Student Interns

Two graduate students enrolled in the MBA program at USIC member **Bryant College** in Providence, RI, are slated to start USIC internships in March. Their first assignment will be market research and analysis of commercialization prospects for completed Thrust 1 and some Thrust 2 projects.

USIC Web Site Enhancements Underway

A number of enhancements to the USIC web site are underway. Member and company profiles are being updated with corporate and project information. Next up for review are listings of currently available NIS technologies.

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USIC Board Meeting in Miami January 27, 2000

At its meeting in Miami on January 27, the USIC board focused on long-term strategic planning for the organization as well as ways to address immediate programmatic concerns. Guests attending the meeting included **John M. Rooney**, DOE-HQ and **ILAB Chair Kenneth Touryan**, NREL. Local USIC members also in attendance were **Roberto Delgado**, Maverix; **Steve Michelson**, Cyclotec Medical Industries; and **Alan Fields**, Context Medical. USIC Board Chair **David Bell** presented certificates of appreciation to Board members **William Heilman**, **Steven Kadner**, **H. William Nurdyke**, **Stanley Satz**, **Frederick Tepper** and **James Thompson** for their ongoing commitment to USIC and its mission throughout the organization's recent revamping and relocation.



(1) Dave Bell (l) accepts an award for distinguished leadership from Vic Alessi.



(2) Gary Tydings (l) is congratulated by Dave Bell for his dedicated service to USIC.



(3) Frank Lemkey (r) receives certificate of appreciation for his work on the Board; Lemkey is now on staff as Director of Technology Commercialization.



(4) USIC Board members and invited guests focus on long-term strategic planning at the January 27 Board meeting in Miami.

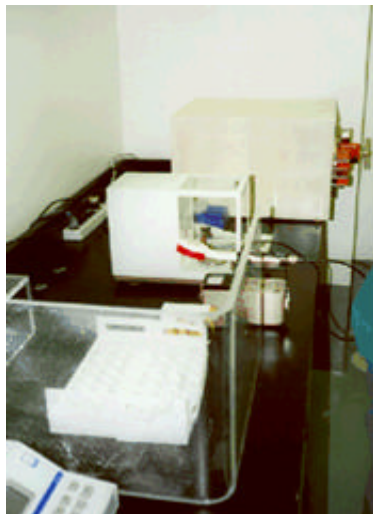


(5) Miami host and board member Stan Satz (center) discusses potential of strontium-89 with board members Bill Nurdyke (l) and Fred Tepper (r) during guided tour of Bio-Nucleonics facilities.



(6) Stan Satz and Rosanne Satz, VP and Director of Operations, display vials of strontium-89 produced by Bio-Nucleonics.

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(7) Bio-Nucleonics is equipped to validate and produce radiopharmaceuticals such as strontium-89, which is used for treatment of intense, unrelenting bone pain in metastatic cancers (prostate and breast).

UPCOMING: Meetings, Conferences, and Trade Shows

Waste Management 2000 Symposium, Feb 27 - March 2

www.wmsym.org

Tucson Convention Center, Tucson, Arizona

[Sponsors: Amer. Nuclear Society, Amer. Soc. Mechanical Engineers, NM State Univ., WERC, NEA/OECD, in cooperation with DOE and IAEA]

TRADE SHOWS:

PITTCON, March 12-16

www.pittcon.org

Morial Convention Center, New Orleans, LA

National Manufacturing Week, March 13-16

www.manufacturingweek.com

McCormick Place Complex, Chicago, IL

Bio2000, March 26-30

www.bio.org

Hynes Convention Center, Boston, MA

USIC Board of Directors, April 12-13

La Posada de Santa Fe, Santa Fe, NM

SNL 10th Annual Arms Control Conference, April 14-16

Sheraton Uptown Hotel, Albuquerque, NM

For info, contact by email:
edcleme@sandia.gov

CRDF International Symposium on Biomedical and Behavioral Sciences, May 15-17

Moscow, Russia

[Participants also encouraged to attend NIH-sponsored seminar on grantsmanship and scientific conference on emerging infectious disease research to be held in conjunction with CRDF symposium.]

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VIII-th Annual International Conference: New Technologies in Medicine & Ecology, June 1-10

Gurzuf-Yalta, Crimea, Ukraine

[Sponsors: Russian Academy of Sciences, Russian Academy of Medical Sciences, VECTOR, Institute National Polytechnique de Toulouse, et al]

USIC Board of Directors, tbd June/July

University of Missouri, Columbia, MO

USIC Annual Meeting, tbd October

Washington, DC

**Comments on E-NOTES or the USIC web site?
Contact Joan Furlong at jfurlong@usic.net**

**United States Industry Coalition, Inc.
Phone: +1 703-526-9447 or 1 800-339-8742
Fax: +1 703-526-0928
1800 N. Kent Street, Suite 1106
Arlington, Virginia 22209
<http://www.usic.net>**